

Abstract

A reed valve (29) and a valve retainer (42) for the reed valve (41) are provided at a discharge port (29) of a compression mechanism (20) that compresses fluid. The valve retainer (42) has a polymer actuator (50) at an end part of a valve fixing part (42a) for fixing the reed valve (41). The polymer actuator (50) expands or contracts in length to change a fixed length (A) of the reed valve (41), thereby changing the rigidity of the reed valve (41). This attains appropriate control of responsiveness of the reed valve (41) according to the volume.